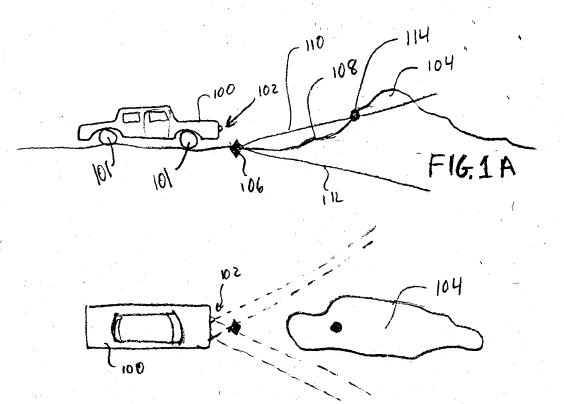
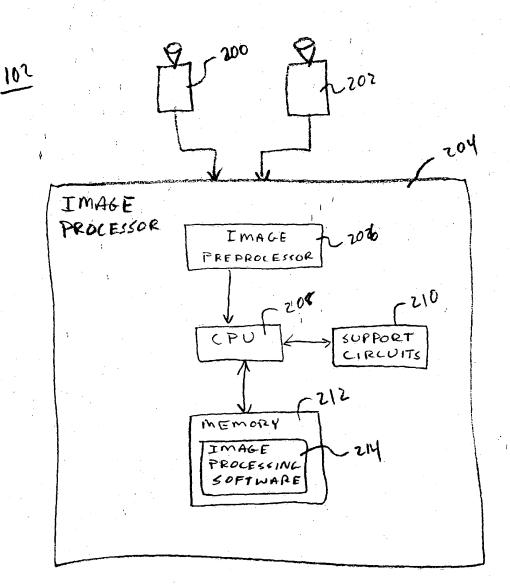
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Applicants: Fields, et al.
Title: METHOD AND APPARATUS FOR
DETECTING OBSTACLES
Docket No.: SAR 14882



F16.1B

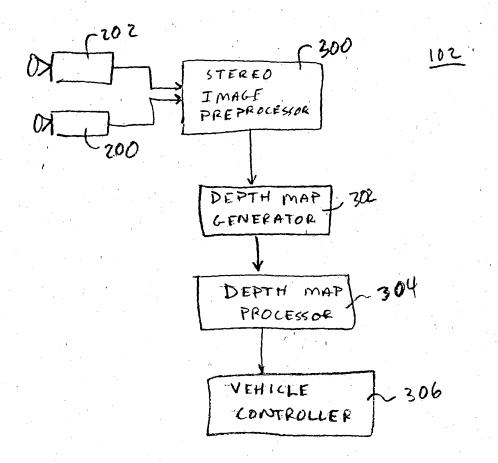
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Applicants: Fields, et al.
Title: METHOD AND APPARATUS FOR
DETECTING OBSTACLES

Docket No.: SAR 14882



F16.2

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F163

402 Attorney Docket No.: SAR 14882 Produce Depth Map Piecewise Smoothing of Depth Map Initialize Last Point and Last Good Point 408 Select Current Point 410 Is Current Point within Driveable Slope of Last Point? 4/4 ls Current Point within Driveable Slope of Last Good 424 Point? $NDR \leftarrow 0$ Last Good Point ← Current Point Calculate non-zero NDR with respect to Last Good Point 4/6 Store NDR for Current Point Last Point ← Current Point More Data to Process2 476 Project Points and NDRs onto Map \$ 428 Plan and Execute Route

Sheet 7 of 5

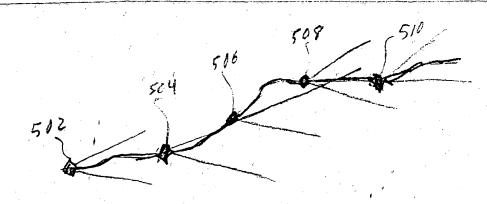
DETECTING OBSTACLES Docket No.: SAR 14882

Applicants: Fields, et al.
Title: METHOD AND APPARATUS FOR

Figure 4

[0028]

Sheet \(\to \) or 5
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DETECTING OBSTACLES
Docket No.: SAR 14882



F16.5

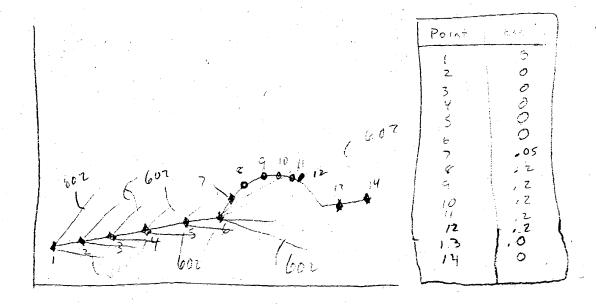


Figure 6